IONAL SEARCH REPORT

PCT/GB 03/05389

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 A61K39/39 A61K39/44

A61K39/015

C. DOCUMENTS CONSIDERED TO BE RELEVANT

A61P31/00

A61K39/02 //C07K16/28 A61K39/12

A61K39/005

Relevant to daim No.

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, WPI Data, EMBASE, PAJ, LIFESCIENCES

Citation of document, with indication, where appropriate, of the relevant passages

25 July 2002 (2002-07-25)		1-7, 30-34,50		
4 July 2002 (2002-07-04) paragraphs		1-7, 10-12, 14-34,50		
× × × × × ×	-/			
*T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention or other special reason (as specified) *O document referring to an oral disclosure, use, exhibition or other means *P document published after the international filing date out of understand the principle or theory underlying the invention *T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventiv				
actual completion of the international search	Date of mailing of the international sear	ch report		
5 March 2004	08/04/2004			
nailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Wagner, R			
	25 July 2002 (2002–07–25) paragraphs '0008!, '0027!, '000 US 2002/086026 A1 (HEATH ANDRI 4 July 2002 (2002–07–04) paragraphs '0027!, '0035!, '0052!, '0087!, '(""" """ """ """ """ """ """	paragraphs '0008!, '0027!, '0030!, '0073! US 2002/086026 A1 (HEATH ANDREW WILLIAM) 4 July 2002 (2002-07-04) paragraphs '0027!, '0035!, '0052!, '0087!, '0096! -/ ber documents are listed in the continuation of box C.		

PCT/GB 03/05389

C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Cliation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Ρ,Χ	CARLRING JENNIFER ET AL: "Anti-CD28 has a potent adjuvant effect on the antibody response to soluble antigens mediated through CTLA-4 by-pass." EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 33, no. 1, January 2003 (2003-01), pages 135-142, XP002274855 ISSN: 0014-2980 (ISSN print) page 136 -page 137	1-50
P,X	BARR TOM A ET AL: "A potent adjuvant effect of CD40 antibody attached to antigen." IMMUNOLOGY, vol. 109, no. 1, May 2003 (2003-05), pages 87-92, XP002274856 ISSN: 0019-2805 page 91	1-50
A	WO 01 26608 A (HAYDEN LEDBETTER MARTHA S;LEDBETTER JEFFREY A (US)) 19 April 2001 (2001-04-19) the whole document	1-50
A	XIANG R ET AL: "A dual-function DNA vaccine encoding carcinoembryonic antigen and CD40 ligand trimer induces T cell-mediated protective immunity against colon cancer in carcinoembryonic antigen-transgenic mice" JOURNAL OF IMMUNOLOGY, THE WILLIAMS AND WILKINS CO. BALTIMORE, US, vol. 167, no. 8, 15 October 2001 (2001-10-15), pages 4560-4565, XP002247590 ISSN: 0022-1767 the whole document	1-50
Α .	FANSLOW W C ET AL: "Structural characteristics of CD40 ligand that determine biological function" SEMINARS IN IMMUNOLOGY, W.B. SAUNDERS COMPANY, PA, US, vol. 6, no. 5, October 1994 (1994-10), pages 267-278, XP002264604 ISSN: 1044-5323 the whole document	1-40
	the whole document	*
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 30-33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple Inventions in this International application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.



					PC1/GB	03/05389
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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US 2002086026	A1	04-07-2002	US	2002136722	A1	26-09-2002
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